

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	5387498
<b>Application Number:</b>	10693532
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	2316
<b>Title of Invention:</b>	Random access for wireless multiple-access communication systems
<b>First Named Inventor/Applicant Name:</b>	J. Rodney Walton
<b>Customer Number:</b>	23696
<b>Filer:</b>	Ross L. Franks/Gina Golia
<b>Filer Authorized By:</b>	Ross L. Franks
<b>Attorney Docket Number:</b>	020573
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<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	3066
Deposit Account	170026
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## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (5B/08)	020573_2009-05-22_IDS_SIG NED.pdf	2113988 a90bbae4d6ad73b8ba789459562423cc35561021	no	8
<b>Warnings:</b>					
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2	Foreign Reference	EP0755090.pdf	427754 683a08db6c1b11cc6df92a0185441be8c578a55e	no	8
<b>Warnings:</b>					
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3	Foreign Reference	EP1170879.pdf	1095260 3cc3ba15a5d4a67ff3ad26387f442a99ca26910a9dc3	no	18
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4	Foreign Reference	EP1207635.pdf	549092 3f3159a46638064322b6a627b66684a52a13d7b8	no	10
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5	Foreign Reference	GB2300337.pdf	2047003 8159a54072ff67357e6112cd8ba88a28a91a850	no	80
<b>Warnings:</b>					
<b>Information:</b>					
6	Foreign Reference	KR2006-0095576.pdf	72595 04eeeb1aaac396a68413376d7a7d71a72771803	no	2
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7	Foreign Reference	RU2201034.pdf	45080 aaf97b2188627bd5a77f95aebcd1c3b810395aeb	no	1
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8	Foreign Reference	RU2335852.pdf	271417 91199cd80684c739f1b3c57415559ac91f6a81	no	3
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9	Foreign Reference	WO01076110.pdf	3482149 a511286d303b45da71738892ad8f9eda97249624	no	70
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10	Foreign Reference	WO02025853.pdf	1446825 c8efec17e7d2d81c151786603c1409d81cc90d69	no	39
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11	Foreign Reference	WO02078211.pdf	2407413 6ef3c80ac2286c419d88e605f817b15c1f1ed	no	55
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12	Foreign Reference	WO03010984.pdf	1392327 672c15044715d07918cd55eef3aeac020155d8ff	no	33
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13	Foreign Reference	WO03019984.pdf	928719 5f174d04d08d3ca3d8112d791800db678d5b55	no	27
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14	Foreign Reference	WO04039011.pdf	9912868 ca790cd63737c3c8f8f01f161065162d4c3fc9f	no	203
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15	Foreign Reference	WO95030316.pdf	1671759 08bca790d0ac2f59a0085fbaa8ac7ecbcb1d27	no	39
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16	NPL Documents	A_Simple_Transmit_Diversity_Technique_For_Wireless_Communications.pdf	4884295 826dc2ad613e55199927ba1c74f69d2b27de4	no	8
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Information:					

17	NPL Documents	Novel_Space_Time_Processing_of_DS_CDMA.pdf	417393 e98a600471388daded7b16de628ee115d1b7d588	no	6
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18	NPL Documents	MIMO_Transmit_Optimization_for_Wireless_Communication_Systems.pdf	409696 112ce94195489791ac08b2c8e6cd4d19c03e	no	6
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19	NPL Documents	ETSI_TS_101_761_1_V1_3_1.pdf	8106315 4b6cd8124b6cd8e4d11b9c120b4d812a7f5ee18f7	no	88
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20	NPL Documents	Performance_analysis_of_different_algorithms_for_cdma.pdf	468351 ca8231f6eb1c1554bc373bf168608ebc4d7	no	6
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<b>Information:</b>					
21	NPL Documents	Robust_Frequency_Offset_Estimation_for_Pilot_Symbol.pdf	302268 5a982e426d134c940427a54c304791cd329109e	no	3
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22	NPL Documents	IEEE_802_11a.pdf	655126 3d243a5181040d990110384c6da3f5321359a0d	no	90
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23	NPL Documents	Symbol_rate_processing_for_the_downlink_of_ds_cdma_systems.pdf	230382 7b466d8f7bc272047da96b1014166b32bd5fa163d	no	8
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24	NPL Documents	On_Application_of_Multiple_Input_Multiple_Output_Antennas.pdf	384803 7fb1ce4d55db1dc5a84eb4528bedb475c4b812	no	6
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25	NPL Documents	Improved_Adaptive_Downlink_for_OFDM_SDMA-Based_Wireless.pdf	341996 6ede1cd98cd57cdac387a3da85f02ee407a048cd	no	6
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26	NPL Documents	High_bandwidth_efficiency_space_time_turbo_coded_modulation.pdf	543370 57270a0be2522c6c98bc395e7ab08f108391923	no	6
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27	NPL Documents	Space_Division_Multiplexing_SDM_for_OFDM.pdf	425729 8c4e188a1d4f380b0536c56d72ee2d817920798d4	no	6
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28	NPL Documents	Pseudo_Orthogonal_Multibeam_Time_Transmit_Diversity.pdf	4513824 9961d294099cd34886e5c7191429582a8b0f0ceff	no	5
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29	NPL Documents	Performance_of_MIMO_Systems_with_Channel_Inversion.pdf	318304 7382836c00a8a9d7475d8ba452698d01881965e	no	6
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<b>Information:</b>					
30	Fee Worksheet (PTO-875)	fee-info.pdf	30020 c376d8f136d86d1564b56981b01512713f218d4	no	2
<b>Warnings:</b>					
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<b>Total Files Size (in bytes):</b>			49896121		

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#### **New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### **National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### **New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.